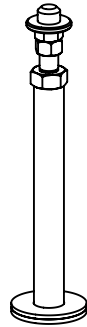
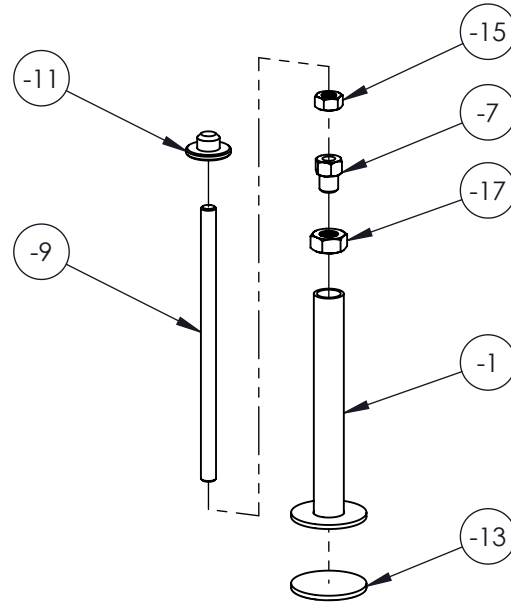


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REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		RELEASED FOR PRODUCTION.	2/24/2017	DPD	JAG



UNDER REVIEW
URF 17-710 VM

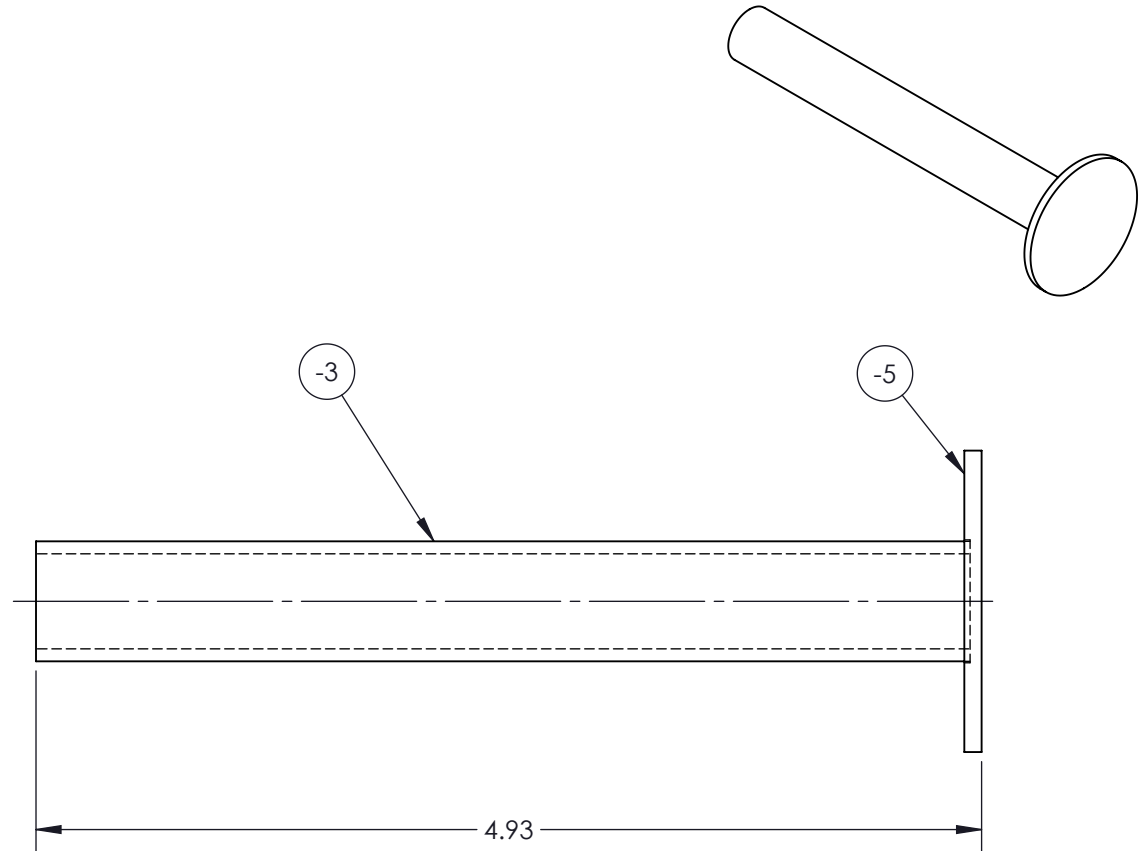
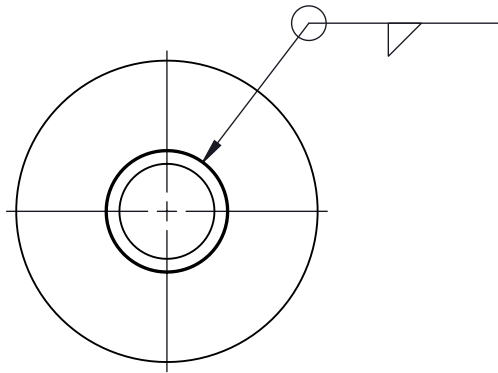
NOTES:
PART OF KIT RBEM323U3006103.

ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
	X		-1	1	BASE WELDMENT			2
	1		-3		BASE TUBE	6061		3
	1		-5		BASE PLATE	6061		4
			-7	1	SPECIAL NUT	303 S.S.		5
			-9	1	THREADED ROD	S.S.	M8 X 1.25 X 200mm (MCMaster-CARR #98863A539) MODIFIED	6
			-11	1	CAP	WHITE DELRIN		7
			-13	1	BASE CUSHION	RUBBER	.100 THICK (MCMaster-CARR #8824T13) MODIFIED	8
		B/O	-15	1	HEX NUT	S.S.	M8 X 1.25mm (MCMaster-CARR #91828A410)	1
		B/O	-17	1	HEX NUT	S.S.	M10 X 1.5mm (MCMaster-CARR #91828A415)	1
	ASSY -1							

			
TITLE			
TOOL B			
DWG NO.			REV
RBEM323U3006103B			1
MAT'L		UNLESS OTHERWISE SPECIFIED	
HEAT TREAT		DIMENSIONS ARE IN INCHES	
FINISH		.XXX ± .005 FRACTIONS ± 1/8	
SPEC		.XX ± .01 ANGLES ± 5°	
		.X ± .1 SURFACES = 125/√	
DRAWN BY:		1. BREAK ALL SHARP EDGES	
DUERFELDT		.015 x 45° OR .015R	
CHECKED:		2. DIMENSIONAL LIMITS APPLY	
MACKOVJAK		AFTER PLATING	
OPPS APPR:		3. INTERPRET DIM AND TOL PER	
ANDERSON		ASME Y14.5M-2009	
QA APPR:		USED ON MODEL	
LINDSAY			
APPROVED:		H175	
GILBERT			
SCALE	1:4	DATE	3/21/2016
		SHEET 1 OF 8	

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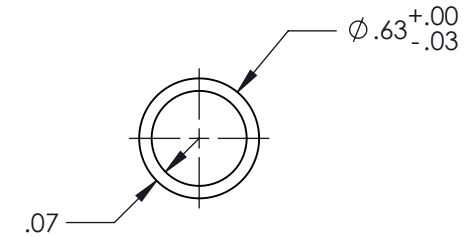
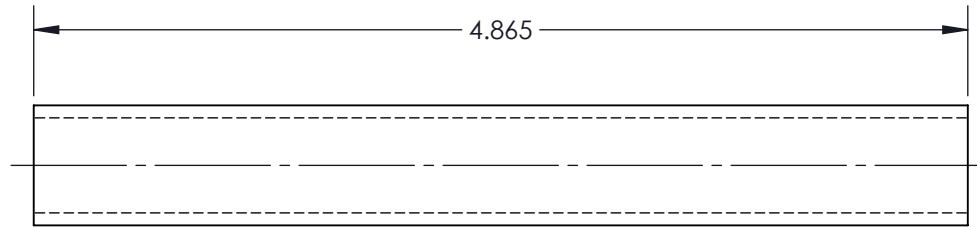
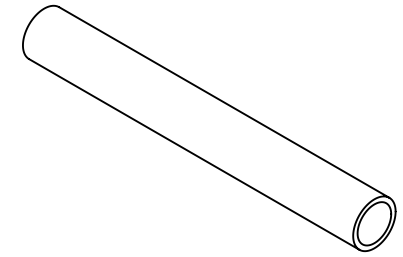
URF 17-692 VM

(-1)
BASE WELDMENT

DART AEROSPACE																				
TITLE TOOL B																				
DWG NO. RBEM323U3006103B-1	REV 1																			
<table border="1"> <tr> <td>MAT'L</td> <td rowspan="4"> UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .010 FRACTIONS ± 1/8 .XX ± .03 ANGLES ± 1° .X ± .1 SURFACES = 125° ✓ </td> </tr> <tr> <td>HEAT TREAT</td> </tr> <tr> <td>FINISH POWDER COAT YELLOW</td> </tr> <tr> <td>SPEC FED #13538</td> </tr> <tr> <td>DRAWN BY: DUERFELDT</td> <td>1. BREAK ALL SHARP EDGES .015 x 45° OR .015R</td> </tr> <tr> <td>CHECKED: MACKOVJAK</td> <td>2. DIMENSIONAL LIMITS APPLY AFTER PLATING</td> </tr> <tr> <td>OPPS APPR: ANDERSON</td> <td>3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009</td> </tr> <tr> <td>QA APPR: LINDSAY</td> <td>USED ON MODEL</td> </tr> <tr> <td>APPROVED: GILBERT</td> <td>H175</td> </tr> <tr> <td>SCALE 1:1</td> <td>DATE 3/21/2016</td> </tr> <tr> <td colspan="2" style="text-align: right;">SHEET 2 OF 8</td> </tr> </table>		MAT'L	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .010 FRACTIONS ± 1/8 .XX ± .03 ANGLES ± 1° .X ± .1 SURFACES = 125° ✓	HEAT TREAT	FINISH POWDER COAT YELLOW	SPEC FED #13538	DRAWN BY: DUERFELDT	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	CHECKED: MACKOVJAK	2. DIMENSIONAL LIMITS APPLY AFTER PLATING	OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	QA APPR: LINDSAY	USED ON MODEL	APPROVED: GILBERT	H175	SCALE 1:1	DATE 3/21/2016	SHEET 2 OF 8	
MAT'L	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .010 FRACTIONS ± 1/8 .XX ± .03 ANGLES ± 1° .X ± .1 SURFACES = 125° ✓																			
HEAT TREAT																				
FINISH POWDER COAT YELLOW																				
SPEC FED #13538																				
DRAWN BY: DUERFELDT	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R																			
CHECKED: MACKOVJAK	2. DIMENSIONAL LIMITS APPLY AFTER PLATING																			
OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009																			
QA APPR: LINDSAY	USED ON MODEL																			
APPROVED: GILBERT	H175																			
SCALE 1:1	DATE 3/21/2016																			
SHEET 2 OF 8																				

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				APPROVED



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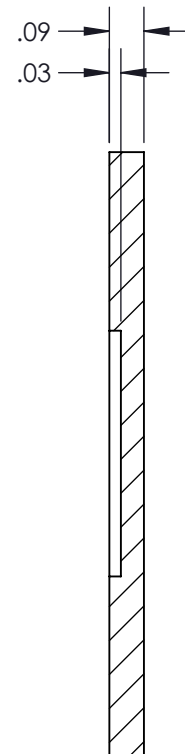
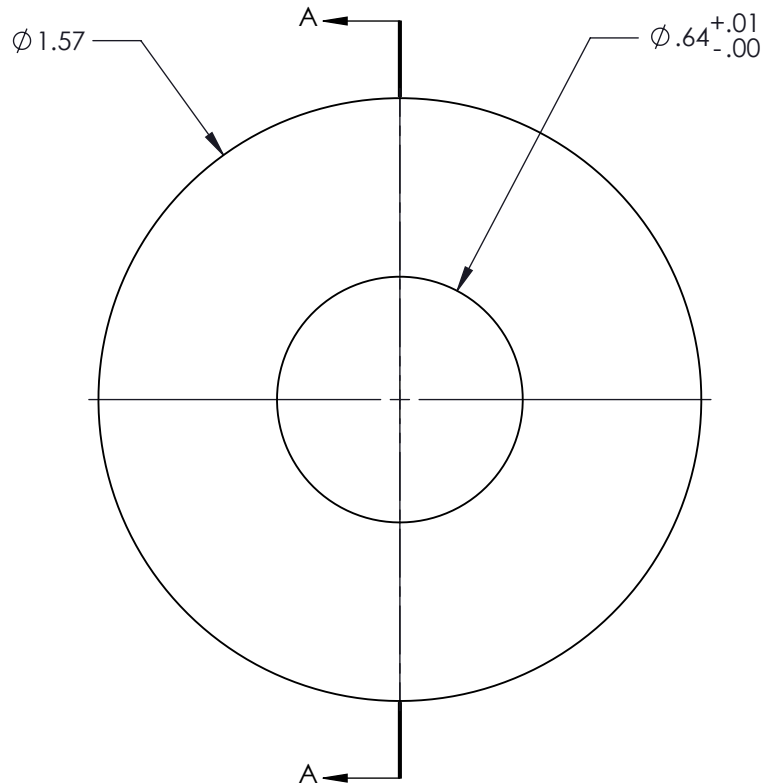
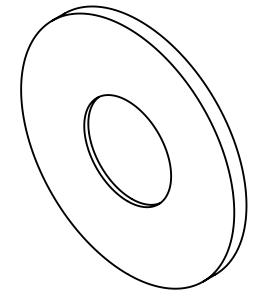
URF 17-692 VM

③
BASE TUBE

DART AEROSPACE	
TITLE TOOL B	
DWG NO. RBEM323U3006103B-3	REV 1
MAT'L 6061 HEAT TREAT FINISH SEE -1 SPEC	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .010 FRACTIONS ± 1/8 .XX ± .03 ANGLES ± 1° .X ± .1 SURFACES = 125° 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
DRAWN BY: DUERFELDT	
CHECKED: MACKOVJAK	
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	
APPROVED: GILBERT	USED ON MODEL H175
SCALE 1:1	DATE 3/21/2016
SHEET 3 OF 8	

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				APPROVED



SECTION A-A

UNDER REVIEW

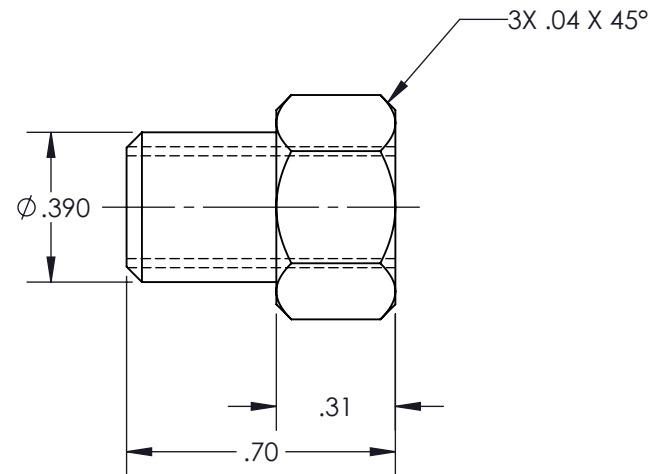
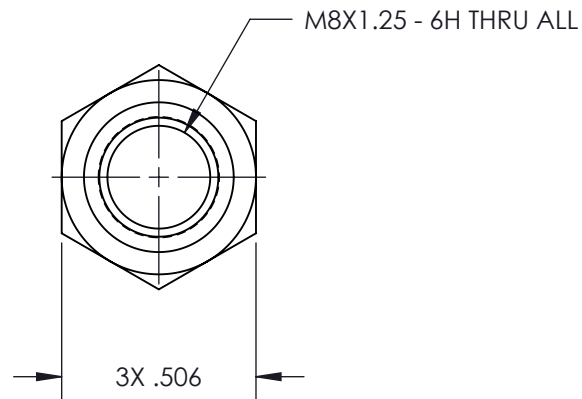
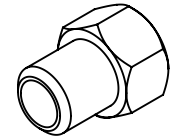
URF 17-692 VM

(5)
BASE PLATE

DART AEROSPACE	
TITLE TOOL B	
DWG NO. RBEM323U3006103B-5	REV 1
MAT'L 6061	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH SEE -1	.XXX ± .005 FRACTIONS ± 1/8
SPEC	.XX ± .01 ANGLES ± .5°
	.X ± .1 SURFACES = 125/✓
DRAWN BY: DUERFELDT	1. BREAK ALL SHARP EDGES
CHECKED: MACKOVJAK	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER
	ASME Y14.5M-2009
	USED ON MODEL
	H175
SCALE 2:1	DATE 3/21/2016
	SHEET 4 OF 8

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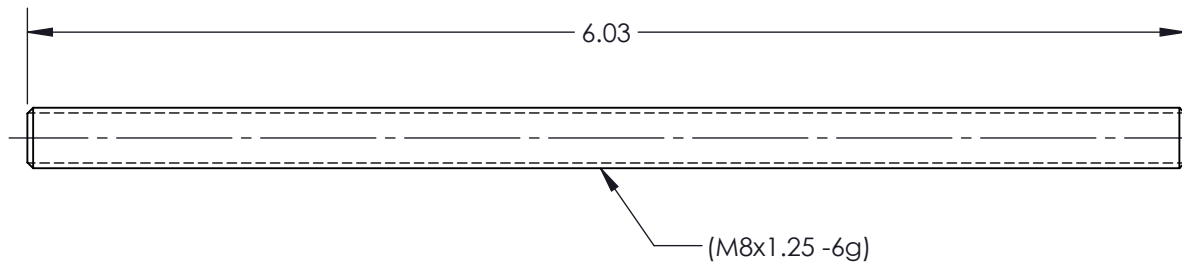
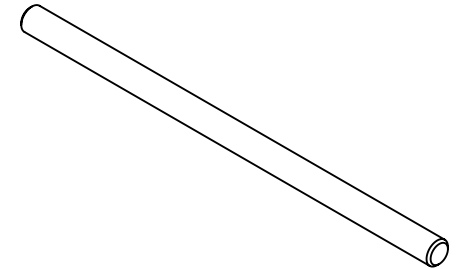
URF 17-692 VM

(-7)
SPECIAL NUT

DART AEROSPACE	
TITLE TOOL B	
DWG NO. RBEM323U3006103B-7	REV 1
MAT'L 303 S.S.	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH	.XXX ± .005 FRACTIONS ± 1/8
SPEC	.XX ± .01 ANGLES ± 5°
	.X ± .1 SURFACES = 125°
DRAWN BY: DUERFELDT	1. BREAK ALL SHARP EDGES
CHECKED: MACKOVJAK	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER
	ASME Y14.5M-2009
	USED ON MODEL
	H175
SCALE 2:1	DATE 3/18/2016
	SHEET 5 OF 8

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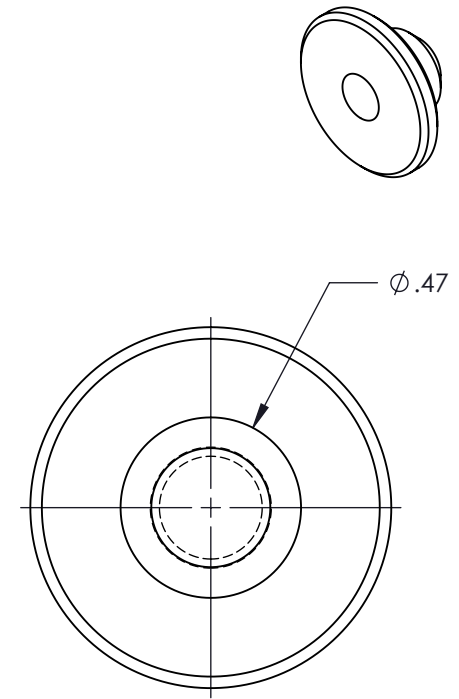
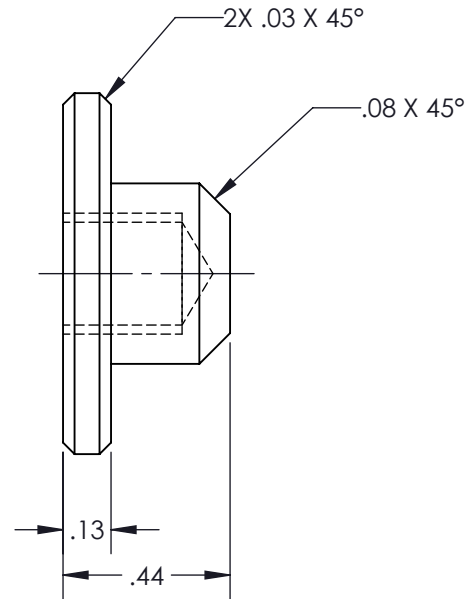
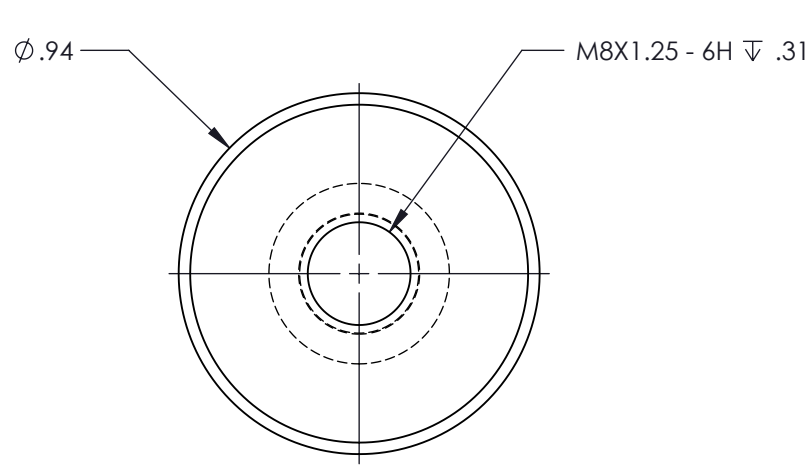
TITLE		TOOL B	
DWG NO.		RBEM323U3006103B-9	
REV		1	
MAT'L S.S.		UNLESS OTHERWISE SPECIFIED	
HEAT TREAT		DIMENSIONS ARE IN INCHES	
FINISH		.XXX ± .005 FRACTIONS ± 1/8	
SPEC		.XX ± .01 ANGLES ± .5°	
DRAWN BY: DUERFELDT		.X ± .1 SURFACES = 125°	
CHECKED: MACKOVJAK		1. BREAK ALL SHARP EDGES	
OPPS APPR: ANDERSON		.015 x 45° OR .015R	
QA APPR: LINDSAY		2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
APPROVED: GILBERT		3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
SCALE		USED ON MODEL	
1:1		H175	
DATE		3/18/2016	
SHEET		6 OF 8	

(-9)

THREADED ROD

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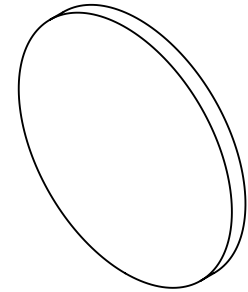
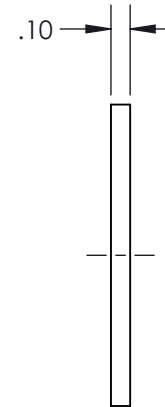
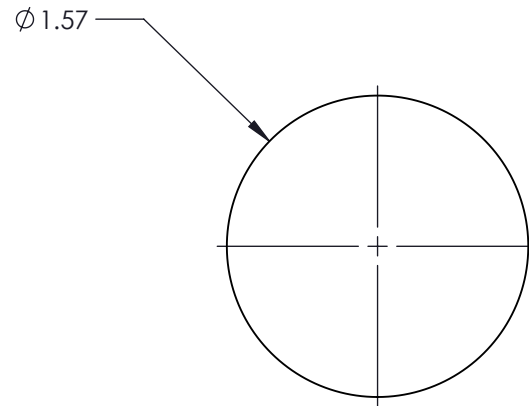
URF 17-692 VM

(11)
CAP

DART AEROSPACE	
TITLE TOOL B	
DWG NO. RBEM323U3006103B-11	REV 1
MAT'L WHITE DELRIN HEAT TREAT FINISH SPEC	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° .X ± .1 SURFACES = 125°	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY: DUERFELDT	USED ON MODEL
CHECKED: MACKOVJAK	H175
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	
APPROVED: GILBERT	
SCALE 2:1	DATE 3/21/2016
SHEET 7 OF 8	

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(-13)

BASE CUSHION

DART AEROSPACE	
TITLE TOOL B	
DWG NO. RBEM323U3006103B-13	REV 1
MAT'L RUBBER	UNLESS OTHERWISE SPECIFIED
HEAT	DIMENSIONS ARE IN INCHES
TREAT	.XXX ± .010 FRACTIONS ± 1/8
FINISH	.XX ± .03 ANGLES ± 1°
	.X ± .1 SURFACES = 125° ✓
SPEC	1. BREAK ALL SHARP EDGES
DRAWN BY: DUERFELDT	.015 x 45° OR .015R
CHECKED: MACKOVJAK	2. DIMENSIONAL LIMITS APPLY
OPPS APPR: ANDERSON	AFTER PLATING
QA APPR: LINDSAY	3. INTERPRET DIM AND TOL PER
APPROVED: GILBERT	ASME Y14.5M-2009
SCALE 1:1	USED ON MODEL
DATE 3/21/2016	H175
	SHEET 8 OF 8